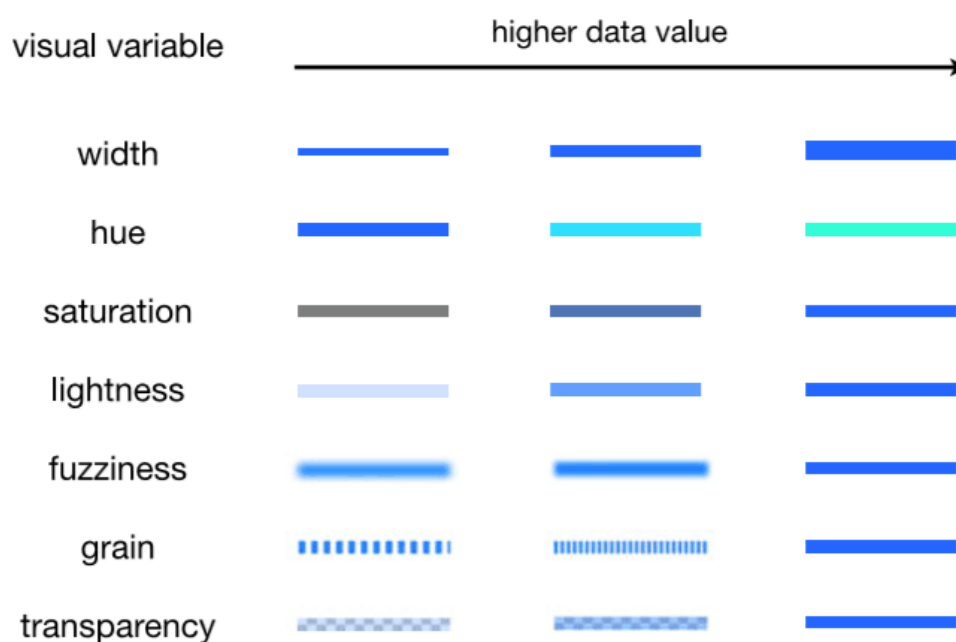


Weekly report

1 Done

1.1 Paper Reading

- *Representing Uncertainty in Graph Edges: An Evaluation of Paired Visual Variables*

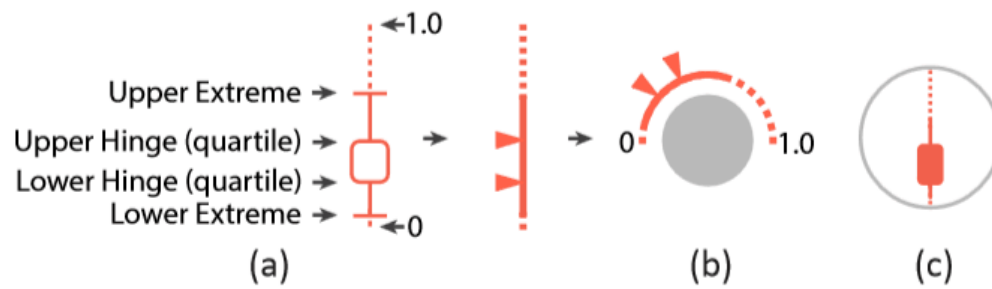


Authors summarized 7 encodings for uncertainty existing on the edges.

Furthermore, they provided some guidelines.

- 1) Lightness is an effective visual variable for depicting uncertainty; however, it is not a good idea to use lightness and hue to encode distinct data dimensions simultaneously.
- 2) Fuzziness, grain, and transparency are all robust to the choice of visual variables to encode the secondary dimension. However, fuzziness has a strong negative impact on the perception of width and other alternatives should be considered when lines with different widths are to be distinguished.
- 3) When two visual variables are employed simultaneously to visualize two data dimensions, perception of one of the variables can be made easier either by increasing its discriminability or by reducing the discriminability of the other visual variable.

- *An Uncertainty-Aware Approach for Exploratory Microblog Retrieval*



Encoding information on nodes.

2 Progress

Item	Deadline	Current progress	Remark
Privacy program	10.31	Surveying.	Have an initial idea.